Session I	Tanks Panel Session	
	Thomas Gutmann, U.S. Department of Energy, Savannah River Operations Office	Page 1
Application of Actual Slu	FWENC Stabilization Process to Enhance Treated Radioactive Sludge Leach Resistance in Surrogaidaes	tes and
Roger D. Spend In Situ Plasma	ce and John W. Barton, Oak Ridge National Laboratory	
In-Line Monito	Georgia Tech Research Institute	
Alternative HE	k Ridge National Laboratory PA Filter Media Ison, Westinghouse Savannah River Site	
Overview of SI	RS Developed Remote Tank Technologies and Tools a, Westinghouse Savannah River Company	
Determination	of Corrosion Species in High-level Nucler wastes using Raman Spectroscopy , Westinghouse Savannah River Company and J. M. Bello and R. W. Forney EIC Laboratories, Inc	
Session II	Using Risk for Remedial Decisions Panel Session	
	Jerry Nelsen, U.S. Department of Energy, Savannah River Operations Office	Page 9
Wayne S. McKe	Risks Of Heat Stress Encountered During Remediation Activities enna; Bob Galloway; and Paula J. Slavin, Sandia National Laboratories	10
Dennis Miller, A	sk-Based Decision Making at Fort CampbellA Model for Success Advanced Infrastructure Management Technologies (AIMTech), Lockheed Martin Energy Systems Foodweb Modeling at the INEEL	11
Robin Lee Vanl Are We paying	Horn; Celeste Marsh; and Scott Perry, Idaho National Engineering and Environmental Laboratory I too Much to Reduce Radiological Risks?	
Evaluating the	r, Risk ConceptsBehavior of Chlorinated Hydrocarbon Plumes in Ground Water Using Plume Population Studies o, Jr.; Richard Ragaini; and David W. Rice, Lawrence Livermore National Laboratory	
Successful Ris	sk-Based Alternative Studies for the High-Level Waste and Facility Disposition EIS rcon Services, Inc.	
Session III		
	Sampling Panel Session Phil Brater, U.S. Benertment of Energy, Sevenneh Biver Operations Office.	
	Phil Prater, U.S. Department of Energy, Savannah River Operations Office	Page 17
	ncy Assessment with Geoscience and Geostatistics Westinghouse Savannah River Company	18
Using Cone Pe Wes Bratton, A _l	enetrometer Technologies to Characterize Radiological Waste Sites oplied Research Associates, Inc.; Wilhelmina C. Dickerson, P.E., Applied Research Associates, Inc.; Jeff John	hnson, IT
Cost-Effective	Sampling Using the EasyPump at LLNL	
	Awrence Livermore National Laboratory	20
Dale Pflug, Arge	onne National Laboratory; Paula Kirk,Bechtel Jacobs; Michael Krstich EMS; Jeff Kulpa, RMIESAshtabula si or Daniel Fernald	
Accelerated Sa	ampling and Analysis for Dioxins/Furans /orth; Dan Battleson; John Montgomery; Roland Rees; and Ken Reick, MSE Technology Applications, Inc	

tional Drilli Annette Primrose	on of Under Building Contamination at Rocky Flats Environmental Technology Site using Hor ling and Environmental Measurement while Drilling se, Kaiser Hill/Rocky Flats Environmental Technology Site; Tom Lindsay, RMRS; David Strand,Arcadia; L and Norma Castaneda, DOE Rocky Flats Field Office	Lane Butler,
Session IV	Recycle and Reuse Panel Session Michael Gresalfi, Oak Ridge National Laboratory	Page 25
No abstracts su	ubmitted for this session.	
Session V	Enhance Performance Through Collaboration Between Pollution Prevention Program and Office of Science and Technology John Lum, U.S. Department of Energy, Headquarters	Page 27
No abstracts su	ubmitted for this session.	
Session VI	SFCA in the 21st Century: I dentifying Opportunities for Partnership and Progress Jim Wright, U.S. Department of Energy, Savannah River Operations Office	Page 29
A. Dale Pflug, Ar Meeting Future Tom Hicks, SCF/ Science Advand Mark Gilbertson, Headquarte Identifying Opp	Nature of Site Needs Irgonne National Laboratory, TechCon Program Manager Redes through Technical Assistanc Redes A DOE-Savannah River and Jack Corey, SCFA Lead Laboratory Incing Solutions into the 21st Century In., U.S. Department of Energy, Savannah River Operations Office and Chet Miller, U.S. Department of Incident Solutions Incorporations for Applied Research I.S. Department of Energy, National Energy Technology Laboratory	31 Energy, 32
Session VII	A STD: Building Partnerships for Success Panel Session Kurt Gerdes, U.S. Department of Energy, Headquarters	Page 35
Remediatic Robert Janke, D National La National En Deployment of Research F Paul Kalb, Brood and Larry M Remediation of Walt W. McNab, Characterizatio Michael A. Krstic Operation of an Vincent Racanie	DOE-FEMP; R. Danahy; J. White; and J. D. Chiou, Fluor Fernald; M. J. Davis; R. Johnson; and K.C Pi aboratory; K. Miller, U.S. Department of Energy, Environmental Measurements Laboratory; and M. Ca ngineering and Environmental Laboratory	cel, Argonne rpenter, Idaho
	Westinghouse Savannah River Company	41

Session VIII	Cost Engineering Session Bryan Skokan, U.S. Department of Energy, Headquarters	Page 43
No abstracts subm	itted for this session.	
Session IX	Vadose Zone Panel Session Skip Chamberlain, U.S. Department of Energy, Headquarters	Page 45
Daniel B. Stephens, Ellis, Schlumbe Van Genuchter. Weeks, U.S. Go Vadose Zone Scien Brian B. Looney and Innovative Vadose Gregory G. Rucker, Evaluation of the S Heather Holmes-Bur Cost-Effective Meth John April; K. Bergst Fissures in Yucca I Donald C. Helm, Mo Development and In R.G. McCain, J. Ber	Wide Vadose Zone Science and Technology Roadmap Daniel B. Stephens and Associates; Stephen J. Kowall, INEEL; David Borns, Sandia National Laborator proger; Carl Enfield, U.S. Environmental Protection Agency; Lorne Everett, ARCADIS Geraghty & Miller; M. p. U.S. Department of Agriculture; Frank Parker, Vanderbilt University; Cathy Vogel, DoD SERDP/ESTCP, peological Survey; and John Wilson, New Mexico Institute of Mining and Technology	fartinus T. 1; Edwin 2; Edwin 47 48 49 50 51
Session X	Project Management/Value Engineering Panel Session Tom Tregor, U.S. Department of Energy, Savannah River	Page 53
Richard Woodward, Experiences and St Dale Pflug, Argonne	tic Stewardship Project Management Lawrence Livermore National Laboratory trategies for using DOE Technical Assistance Resources National Laboratory; Jack Corey, Savannah River Technology Center; and Dr. Malcolm Siegel, Sandia N	54 lational
Guaranteed Remed Mark Nickelson, Adv Combining Techno Richard Govers, Cha	liation: An Innovative Approach to Environmental Cleanup and Site Closure vanced Infrastructure Management Technologies (AIMTech), Lockheed Martin Energy Systems, Inc logy and P2 for Cost Savings at Multiple Sites amberlain Group and Doug Maynor, DOE OH	56
J. Dale Jackson, Off. Cost Savings throu Loretta M. Visconti a	ice of Uranium and Engineering Services Igh Software Development for Release Site and Facility Management Ind Kris Andersen, RCS Corporation	
	ective Cleanup Using "Green" Environmental Restoration Technologies Rolf U. Halden, Lawrence Livermore National Laboratory	60

Session XI	Stewardship: Policy and Program Perspectives Panel Session Michael Barainca, U.S. Department of Energy, Headquarters	Page 61
Janet Bashaw;	NDAA Long-Term Stewardship Report to Congress Meg Reynolds; Kyle Tanger; and Joanna Wilson, Project Performance Corporation and Jonathan Kang, D	
Long-Term Ste Cain Diehl and	ewardship - A State Perspective Dr. Gerald R. Hill, Southern States Energy Board of Long-Term Stewardship Responsibilities at Facilities with Continuing Non-EM Operations	
Deborah D. Gris The Draft Long	swold, Albuquerque Operations Office and George Allen, Sandia National Laboratories y-term Stewardship Study	
National Scien Roger Mayes; J Long-Term Per Stewardsh	ner, Ph.D. and Steven Livingstone, ICF Consulting	y 66 term
Session XII	SCFA: Natural Remediation Process: Lessons Learned	
	through Research, Development, and A pplication	
	Scott McMullin, U.S. Department of Energy, Savannah River Operations Office	Page 69
M. Cristina Neg Edward E. BioRemediatio Dr. Terry C. Haz Natural Analog	ction to Target VOCs and Tritium at depths at Argonne National Laboratory ori, Ray R. Hinchman, John Quinn, James B. Wozniak, Larry Moos, Argonne National Laboratory, Argonne Gatliff, Applied Natural Sciences, Inc., Hamilton, Ohio on: The hope and the Hype ozen, Head, Center for Environmental Biotechnology, Lawrence Berkeley National Laboratory os of Long-Term Engineered Covers o) Waugh, MACTEC-ERS, Grand Junction	70
Session XIII	FRA MES Demonstration Session	
	Paul Beam, U.S. Department of Energy, Headquarters	Page 73
No abstracts s	ubmitted for this session.	
Session XIV	Overcomy Darriers to Long-reini retornary recomology	
	Developement Cary Tuckfield, Westinghouse Savannah River Company	Page 75
No abstracts s	ubmitted for this session.	1 agc 73
Session XV		
200000170	I TRD Panel Session Malcolm Siegel, Sandia National Laboratories	Page 77
Malcolm Siegel	e Treatment Remediation Demonstration (ITRD) Program: Overview of Goals and Accomplishments and Michael Hightower, Sandia National Laboratories; Tom Hicks, Department of Energy SR/SCFA; Thom Beam, Department of Energy Headquarters	

	atment Remediation Demonstration Program at the Paducah Gaseous Diffusion Plant	!! -
• •	. DOE Paducah, KY; Gary Bodenstein and Jim Wright, USDOE; Mike Hightower and Malcolm Seigel, Sar	
Nalional Labora Paducah Groundwa	tories	79
	ichael Hightower, and Malcolm Siegel, Sandia National Laboratories; Gary Bodenstein and John Sheppal	ard DOE/
	Valt Richards, Science Applications International Corporation	
	parge Soil Vapor Extraction System at the Mound OU-1 Site	
Garv S. Brown. Ph.D.	D., Sandia National Laboratories and Mark Spivey, Babock and Wilcox of Ohio	81
ITRD Explosives Pr	oject at Pantex and LANL	
	andia National Laboratories; J. Childress, Pantex; and D. Hickmott, Los Alamos National Laboratory	82
	bon Tetrachloride Plume Transport and Attenuation for the Hanford Innovative Technology Remed	
Demonstration	Project	
Michael J. Truex; Ch	arlie Cole; Christopher Murray; Rick Cameron; and Christian Johnson, Pacific Northwest National Labora	atory;
	Bechtel Hanford Inc.; and Arlene Tortoso, U.S. Department of Energy, Richland Operations Office	83
Hanford 100N Area		
	and Malcolm Siegel, Sandia National Laboratories; Atlene Tortoso, DOE Richland Operations office; and S	
Peterson, Bech	ntel Hanford, Inc.	84
Session XVI		
JCJSIOII AVI	GIS Panel Session	
	Russ Beckmeyer, Westinghouse Savannah River Company	Page 85
		3
	ds: Practical Integration of GIS	
	er, Westinghouse Savannah River Company	86
GIS Considerations		07
	dia National Laboratories Analysis with ArcView Geographic Information Systems (GIS) Software	07
	Westinghouse Savannah River Company	QQ
	mmunication Network (ECN) GIS Facility Mapping Project	00
	offey; and Robert Noto, Bechtel Nevada - DOE Remote Sensing Laboratory	89
	f Waste Units at the Savannah River Site	
Larry D. Koffman and	d Steve Hevel, Westinghouse Savannah River Company	90
	r Watershed Risk Analysis and Data Needs Evaluations	
Tracy J. McLane; Ge	erald McLane; and Susan Dyer, Site Geotechnical Services (EA3A0), PE&CD, Savannah River Site	91
0 1 100		
Session XVII /	Long Term Stewardship: Lessons Learned Panel Session	
_	,	Dogo 02
	Brian Bowser, 0.3. Department of Energy, Idano Operations Office	Page 93
Composite Analysis	s - The Right Tool for the Long-Term Stewardship Job	
	Elmer L. Wilhite, Savannah River Technology Center	94
	Is for Remediated Sites-An INEEL Case Study on Long Term Stewardship	
	ncob D. Dustin; Patty Natoni; and Bryan Bowser, Idaho National Engineering and Environmental Laborato	ory 95
State of the Art of L	ong-Term Stewardship, a Holistic Approach	
Art W. Kleinrath, DO	E-Grand Junction Office and Mark Plessinger, MACTEC-ERS, Grand Junction Office	96
	nd Long-Term Stewardship Decision Processes	
	ŋ, S. Y. Chen, Robert L. Johnson, and John D. Ditmars; Argonne National Laboratory	97
	hip Model: Coupling Science, Engineering and Cost	
Richard Woodward a	and Zafer Demir, Lawrence Livermore National Laboratory	98
	with Long-Term Stewardship at Nevada Operations Office Sites/Performance Assessments	
	partment of Energy, Nevada Operations Office	99
	vith Long Term Stewardship Measurements	100
KAIDH SKIIDH H S I	Department of Energy, Oak RidgeOperations Office	IUU

Session XVIII	Regulator/Stakeholder Panel Session	
E	Brian Hennessey, U.S. Department of Energy, Savannah River Operation Office	Page 101
Daryl Green and Stakeholder Invo Jacob J. Jacobso Stakeholder Invo Kevin J. Rohrer, U Public Involvemo Erik Simpson, Ida Use of the Intern	nal Perspectives for Communicating Data - Communicating Environmental Data to the General Co Teresa Perry, U.S. Department of Energy, Oak Ridge Operations Office Tolvement in Long-Term Stewardship through Systems Dynamics and Group Model Building Tolvement in Development of Budget Request Tolvement in Development of Budget Request Tolves. Department of Energy Nevada, Office of Environmental Management Tent Challenges Ahead for the INEEL Environmental Restoration Program Tolvesholders The Indian Stakeholders The Indian Stakeholder Stakeholders The Indian Stakeholder Stakeholde	
Session XIX	Emerging Waste Management Practices Panel Session Mildred Keith, U.S. Department of Energy, Savannah River Operation Office	Page 107
Michael E. Brenna Emerging Remed Larry McNamara Application of Lea J. Pat Hopper and Waste Maximinz Kenneth M. Grum Disposition of No Bob Galloway and Chemical Reacti	ransuranic Waste Drum Retrieval and Venting Operations at Savannah River Site an, Solid Waste Division, Westinghouse Savannah River Company diation Treatment for Organics and TRU and Dr. Louis Centofanti, Perma-Fix Environmental Services, Inc. essons Learned in Assuring Future Success of the ORR EMWMF d Paul Corpstein, Waste Management Federal Services; Joe Williams, Bechtel Jacobs Company, LLC ation nski, MHF Logistical Solutions Inc. uclear Weapon Components Generated by Remedial Activities d Paula J. Slavin, SNL/NM Dept. 6133 ions in Liquids Induced by High Frequency Electric Fields in; Jian-Yang Yuan; Haibo Huang; Richard McFarlane; and Eddy Isaacs, Alberta Research Council	109 110 111
Session XX	Ground Water Panel Session Chet Miller, U.S. Department of Energy, Headquarters	Page 115
in Ground V Michael A. Krstich	roach for Deploying Bioremediation at DOE Oak Ridge for Treatment of DNAPL in Fracture Bedroo Vater h; Dale Pflug: Mike Kelly: Janice Hensley; and Tony Manion, EMS - TechCon on Identified as Cost Effective, Preferred Technology At Monument Valley, Arizona, UMTRA Ground	ck and CCI4
Economical and <i>Robert W. Bainer</i> Aerobic Non-tox	EC-ERS -DOE Grand Junction Office Reusable Ground Water Treatment Solutions Developed at LLNL ; Edwin Folsom; Larry Kita; and Roberto Ruiz, Lawrence Livermore National Laboratory ic Cometabolism of Trichloroethylene in Ground Water: A Case Study io, M.S., BioRemedial Technologies, Incorporated and Ronald M. Seech, MLT (ASCP)	118
Operation Status Annette Primrose Removing Urani	s of Reactive Barriers at Rocky Flats Environmental Technology Site e; Lane Butler; and Norma Castaneda, Kaiser Hill/Rocky Flats Environmental Technology Site um From Contaminated Groundwater At Fernald Using Ion Exchange Technology D., Cathy Glassmeyer, and Steve Bozich, Fluor Fernald, Inc.	120

Session XXI SRS Facility Disposition Program Session Angela Adams, U.S. Department of Energy, Savannah River Operations Office and Andrew Szilagyi, U.S. Department of Energy, Headquarters	Page 123
How to Succeed on a Fixed Budget	
David Yannitell, Westinghouse Savannah River Company, LLC	124
Facility Transition Process at SRS Richard Garniewicz, Westinghouse Savannah River Company, LLC	125
Reducing Cost of Surveillance and Maintenance (S&M) Programs	120
Caroline Bruns, Westinghouse Savannah River Company, LLC	126
Risk-Based Method for Prioritizing Hazard Reduction Activities at Inactive Facilities	407
Victor Fricke and Gary Rose, Westinghouse Savannah River Company, LLC	12/
Deactivation of 321-M Fuel Fabrication Facility Marley Bruns, Westinghouse Savannah River Company, LLC	128
Decision Process for the Decommissioning of the R-Disassembly Basin at SRS	
William Austin; John B. Pickett; Heatherly H. Dukes; Karl D. Tesch; and Jerry Hansen, Westinghouse Savannah River	
Company, LLC	129
Clean-up of R Disassembly Basin at SRS John Pickett and Heatherly Dukes, Westinghouse Savannah River Company, LLC	120
Assett for Dismantle and Removal Services	130
Thomas Feske, Westinghouse Savannah River Company, LLC	131
Disposition Technologies	
Jeff Lee and Bill Giddings, Westinghouse Savannah River Company, LLC	132
Long Range Facility Disposition Planning Melanie Poe-Hozey, Westinghouse Savannah River Company, LLC	133
	133
Session XXII I nnovative Remedial Technologies I nteractive Poster Session	
Hap Thron, U.S. Department of Energy, Headquarters	Page 135
	1 ago 100
FY2000 Technology Deployments on the Richland Environmental Restoration Project	10/
Kim Koegler, Bechtel Hanford Inc	136
Richard Jackson; John Ewing; Minquan Jin; and Hans Meinardus, Duke Engineering & Services	137
Remediation of Ecologically Sensitive Wetlands Contaminated with Cs-137 Using Micaceous Minerals	
Daniel I. Kaplan; Tom Hinton; Anna Knox; and Steve Serkiz, Westinghouse Savannah River Company	138
EarthSaw Field Demo: Construction of a Bottom Barrier with Soft Buoyant Grout	120
Ernest E. Carter , P.E. Carter Technologies Co. and John Livezey, Federal Industrial Products Petrobond® Oil Solidification Polymer: Helping solve oil waste problems in the DOE complex	139
Donald R. Krause, BWXT Services, Inc.; Ward Brunkow, The Chamberlain Group, Inc.; and Dennis Campbell, Nochar, Inc	140
Integrated Characterization of a TCE Contaminant Plume within a Basalt Aquifier	
Katherine Owens; Leland (Roy) Mink; and Allan Wylie, University of Idaho, Idaho Water Resources Research Institute	141
Dynamic Underground Stripping and Hydrous Pyrolysis/Oxidation of PCE and TCE at Savannah River Site Dave Parkinson and Norm Brown, Integrated Water Technologies, Inc	110
Dave Faikinsun anu ivunn diuwii, integrateu water technulugies, IIIC	142

Savannah River vii

Posters

Page 143

Revolutionary Monitoring Systems for Long-term Environmental Stewardship Applications	
George C. Allen, Jr.; Wendy S. Cieslak; Dan Horschel; Erik K. Webb; Sandia National Laboratories	144
DOE-Mound Multi-Site Deployment of WaterWorks Crystals® Aqueous Waste Solidification Technology	1 11
Scott Altmayer, Earthline Technologies; Dick Govers, The Chamberlain Group; and Don Krause, B&W Services	145
Can Pedotransfer Models be used to Characterize Unsaturated Hydraulic Properties in Geologic Materials?	
Kristine E. Baker, Idaho National Engineering and Environmental Laboratory; R.J. Glass and R.M. Holt, Sandia National	1 / /
Laboratories	140
Facilitating Site Closure and Transition to Stewardship	orau
Janet Bashaw; Gaynor Dawson; and Steve Meador, Project Performance Corporation and Marc Jones, U.S. Department of En Headquarters	
Traceability of Performance Evaluation Materials for Long Term Stewardship Measurements	147
Raymond J. Bath Ph.D.; Pamela Greenlaw; and Anna Berne Ph.D., US DOE/Environmental Measurements Laboratory	1/19
New ER Additives that Stabilize Heavy Metals; Cheaper, Faster, Better, and Safer	140
Gary Benda, U.S. Energy Corporation; and Charlie Williams, E & C Williams	110
Integrated Decision Analysis Tools for Land and Watershed Management	147
Robert P. Breckenridge; Ronald C. Rope; and Randy D. Lee, Idaho National Engineering and Environmental Laboratory	150
Intergovernmental Data Quality	130
Mike Carter, U.S. Environmental Protection Agency	151
Progress of Catalytic Oxidation and RCRA Delisting Petition of Tritiated Mixed Waste	131
Li-Yang Chang, Chit Than, Hiromi Morimoto, and Philip G. Williams, Lawrence Berkeley National Laboratory	150
Performance Assessment and Design Considerations Relative to Long-Term Stewardship	102
Gaynor Dawson; Janet Bashaw; and James Werner, Project Performance Corporation	153
The INEEL Vadose Zone Science and Technology Roadmap: Identifying the R&D Needed to Support Site Cleanup ar	
Stewardship	ıu
Brent W. Dixon and Alan K. Yonk, Idaho National Engineering and Environmental Laboratory	154
GeoTracker: A Case Study in Building an Internet Accessible Environmental Data Integration Tool	10 .
Brendan P. Dooher; Anne M. Happel; and Michael J. Legg, Lawrence Livermore National Laboratory	155
Direct Disposal of PCB-Radioactive and PCB-Mixed Wastes	
Andrew E. Drom, Envirocare of Utah, Inc.	156
Environmental remediation, Worker Safety, and Land Stewardship at the Rocky Flats Environmental Test Site: Striking	
Ethical Balance	,
M. Edelson; M. Svatos; R. Thompson; V. Burnett; L. Manion; and L. Sweeney, Ames Laboratory	157
Establishing a Cost-Estimating System for DOE's Long-Term Stewardship Program	
Joseph English and Peter Dahling, Project Performance Corporation	158
Deployment of an Alternative Closure Cover and Monitoring System for Corrective Action Units in Nevada	
Thomas M. Fitzmaurice and Daniel G. Levitt, Bechtel Nevada	159
Tank 19 Folding Crawler	
Robert Fogle and Thomas Nance, Westinghouse Savannah River Company	160
An Evaluation of Current Operation and Maintenance Guidance and Activities	
Jennifer Fryer; Robin VanHorn; and Amadeo Ramos, Becthel BWXT, Idaho National Engineering and Environmental Laboratory	161
Stakeholder Interaction: Public Endorsement of LLW Disposal in Trenches Instead of More Robust Vaults	
W. T. Goldston, Westinghouse Savannah River Company	162
Automated Data Acquisition Systems for Stewardship and/or Remote Field Measurement, Monitoring, Control, and	
Telemetry	
Wesley Goodwin, Geomation, Inc.	163

viii Savannah River

Preliminary Results of Wetlands Natural Attenuation Monitoring for TCE at the Savannah River Site	
Blake E. Hart; Jeff Ros; Gregory B.Rucker; Phillip Albenesius; Jerry Nelsen; Gary Mills; and John B. Williams, Bechtel Savannah	
River Company	. 164
Validation of the Local SRS Coordinate System	
David M. Isiminger, Jr.; Scott McMullin; Bruce Reeves; and Larry Koffman, WSRC/Environmental & Geographical Information	
Systems (E&GIS)	. 165
Application of Polyurea to Prevent Moisture Infiltration at Interim Action Soil Site	
Peggy Jessmore and Michelle Kaptein, BBWI	. 166
GWRTAC's "Groundwater Central®": Portal to Groundwater Information on the Web	
Dawn S. Kaback, PhD and Diane Roote, GWRTAC/CTC; Grover Chamberlain, U.S. Department of Energy	. 167
To Purge - or Not to Purge Is there really any question?	
Thomas Wayne Kabis, SIBAK Industries Limited, Inc.	. 168
Deployment of Multiple Waste Technologies To Optimize Overall Remediation Objectives	
Mr. Jeffrey Kulpa, Earthline Technologies	. 169
Back to the Future: Using GIS Technologies and Historical Photography to Support Waste Site Characterization and	
Remediation	
Halkard E. Mackey, Jr., Westinghouse Savannah River Company	. 170
Technology Safety Data Sheets: A Tool to Protect Workers from the Hazards of Environmental Clean-Up Technologies	
Barbara McCabe, Operating Engineers National Hazmat Program and Bruce Lippy, CIH, CSP	. 171
A Cost-Effective Approach to Multi-Parameter Hydrologic Monitoring to Characterize Ground Water Flow Conditions	
Katherine Monks, Tetra Tech EM Inc. and Mike Godwin, Morrison Knudsen Corporation	. 172
Sodium Recycling Utilizing Wet-Vapor-Nitrogen Processes	
Roger M. Moore and Earl Peterson, Boeing Rocketdyne and John Engott, Safety-Kleen	. 173
Separation and Concentration of Actinides in Natural Waters Using a Magnetic Filtration/Sorption Process	
James D. Navratil; Alena Paulenova; and Timothy A. DeVol, Clemson University	. 1/4
New Materials and Matrices for Immobilization of Transuranium Wastes	475
Alexei K. Pikaev, Institute of Physical Chemistry of Russian Academy of Sciences	. 175
GIS Projects for Environmental Restoration at the Savannah River Site	17/
Tracy Rea, Bechtel Savannah River, Inc. and David Nix, Westinghouse Savannah River Company	. 1/6
"LandTrek" Your Land Transfer/Reuse Website	177
Jon Sink and Henry J. Nachtsheim, III, US Deptartment of Energy, Grand Junction Office	. 1//
SRS Environmental Restoration Engineering & Technology	170
Ahmet Suer, Bechtel Savannah River	. 1/8
SRS Site Technology Coordination Group	170
Ahmet Suer, Bechtel Savannah River and Sherri Robinson, Department of Energy	. 179
Historically Black Colleges and Universities Program at SRS Abmet Sucr. Poolital Sevenagh Diver and Topic Smith, Department of Energy	100
Ahmet Suer, Bechtel Savannah River and Tania Smith, Department of Energy	. 180
The WasteoScope: An ArcView Application for Categorizing Buried Waste At Idaho National Engineering Laboratory Luke White; Bruce Becker; Larry Slate; and Clem Potelumas, BBWXTI, Inc	101
Remediation of Radiologically Contaminated Sites at Waste Area Group 2 OU 2-13	. 101
Deborah Wiggins, Bechtel Babcock and Wilcox Idaho	100
DEDUTAH MIYYIHD, DECHILET DADCOCK AHU MILOX IUAHO	. 102